

AMENDMENTS

IN THE SPECIFICATION:

Page 1, before the title, delete the word "Description".

Page 1, after the title, insert the following paragraph:

--RELATED APPLICATION

This application is a national stage application of International Application No. PCT/DE03/01036 filed March 28, 2003, which is entitled "DEVICE FOR CALCULATING FSM BITS IN THE UMTS STANDARD", which was not published in English, and claims priority to German Patent Application Serial No. 102 17 853.4, which was filed on April 22, 2002, which is hereby incorporated by reference in its entirety.--

Page 1, line 4: Please add --FIELD OF THE INVENTION--.

Page 1, line 9: Please add --BACKGROUND OF THE INVENTION--.

Page 1, lines 10-27: Please replace the paragraph with the following paragraph:

--In the case of a mobile radio system that comprises a base station with two antennas and a mobile ~~radio~~ radio subscriber, a fixed phase relationship is set up between the two transmission channels, which are to be assigned in each case to one of the antennas of the base station. In the UMTS (Universal Mobile Telecommunications System) standard, a so- called CLTD (Closed Loop Mode Transmit Diversity) function can be used to influence the relationship of the signals emitted by two antennas in order thereby to achieve constructive interference of the two transmission channels. The CLTD function can be operated in a mode 1 and a mode 2. The phase of one of the two antennas can be varied in mode 1. The phase of the other antenna remains fixed. The overall result is to vary the phase relationship between the two antennas. In addition to the variation, known from mode 1, in the phase relationship, mode 2

provides a variation in the amplitudes of the signals emitted from the antennas. The amplitudes of both antennas can be varied in mode 2.--

Page 5, line 2: Please add --SUMMARY OF THE INVENTION--.

Page 5, Please delete the paragraph at lines 9-13 as follows:

~~The objects on which the invention is based are achieved by means of the features of the independent patent claims 1 and 13. Advantageous developments and refinements of the invention are specified in the subclaims.~~

Page 8, line 5: Please add --BRIEF DESCRIPTION OF THE DRAWINGS--.

Page 8, line 20: Please add --DETAILED DESCRIPTION OF THE INVENTION--.

Page 15, lines 23-30: Please replace the paragraph with the following paragraph:

--The specific processing operations for different CLTD mode/slot combinations differ from one another, in particular, in the rotation of the complex phasor, given by the matrix element H_{21} , in the plane of complex numbers, and in its projection onto the real or imaginary axis. The respective processing operation is controlled by means of the configuration ~~bits~~ bits $C_{1,k}(s)$, ..., $C_{6,k}(s)$. The 9 possible processing cases of circuit 1 are listed in Table 1.--